We claim:

- 1. A container for preservation of produce having incorporated thereon a mixture of resin and powder spinel, AB2O4 wherein A is magnesium, divalent iron, nickel, manganese, cobalt, or zinc, B is aluminum, trivalent iron, trivalent manganese, or trivalent chromium, and O oxygen.
- The container of claim 1 wherein said spinel emits radiation in the wavelength range of 3-30 micron.
- 3. The container of claim 1 wherein the mixture of spinel to resin is in the ratio of from 1:9 to 1:49 by weight.
- 4. The container of claim 3 wherein the preferred ratio of spinel to resin is 1:19 by weight.
- A container for preservation of produce having incorporated thereon a mixture of resin and powder spinel, AB2O4, wherein A is magnesium, divalent iron, nickel, manganese, cobalt, or zinc, B is aluminum, trivalent manganese, or trivalent chromium, and O oxygen.

- 6. The container of claim 5 wherein said spinel emits radiation in the wavelength range of 3-18 micron
- 7. A process of preserving produce comprising subjecting said produce to the irradiation of a spinel AB2O4, wherein A is magnesium, divalent iron, nickel, manganese, cobalt, or zinc. B is aluminum, trivalent iron, trivalent manganese, or trivalent chromium. O is oxygen
- 8. The process of claim 7 wherein the spinel irradiates in the 3-30 micron wave length.
- 9. The process of claim 7 wherein the preferred B components of spinel AB2O4, is aluminum, trivalent manganese, or trivalent chromium
- 10.. The process of claim 9 wherein said spinel emits a radiation of . 3-18. micron wave length.